

MANITOBA
REGIONAL LIFE EXPECTANCIES
1995-1997

MBS 99-5

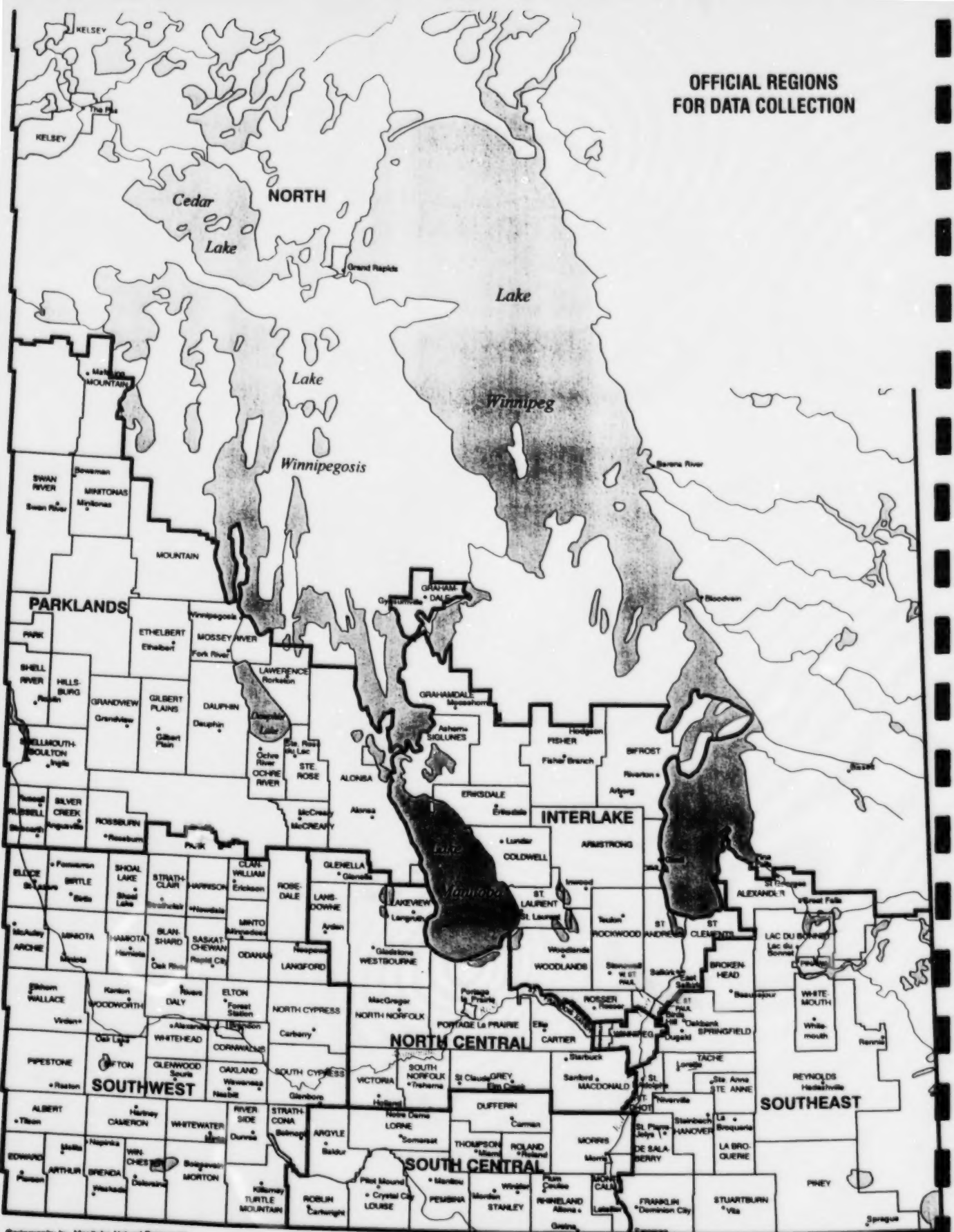
PRICE: \$25

JUNE 1999

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**OFFICIAL REGIONS
FOR DATA COLLECTION**



MANITOBA REGIONAL LIFE EXPECTANCIES

1995 - 1997

I. INTRODUCTION:

This article presents Life Expectancy Tables for Manitoba and its regions by age group and sex. The life expectancies, developed by the Manitoba Bureau of Statistics have been obtained from abridged life tables. Mortality data from 1995 to 1997 as reported to the Office of Vital Statistics, Department of Consumer and Corporate Affairs, was utilized in constructing the tables. The reference population is the Statistics Canada July 1, 1996 population estimate by sex and age group adjusted for undercoverage, non-permanent residents and returning Canadians.

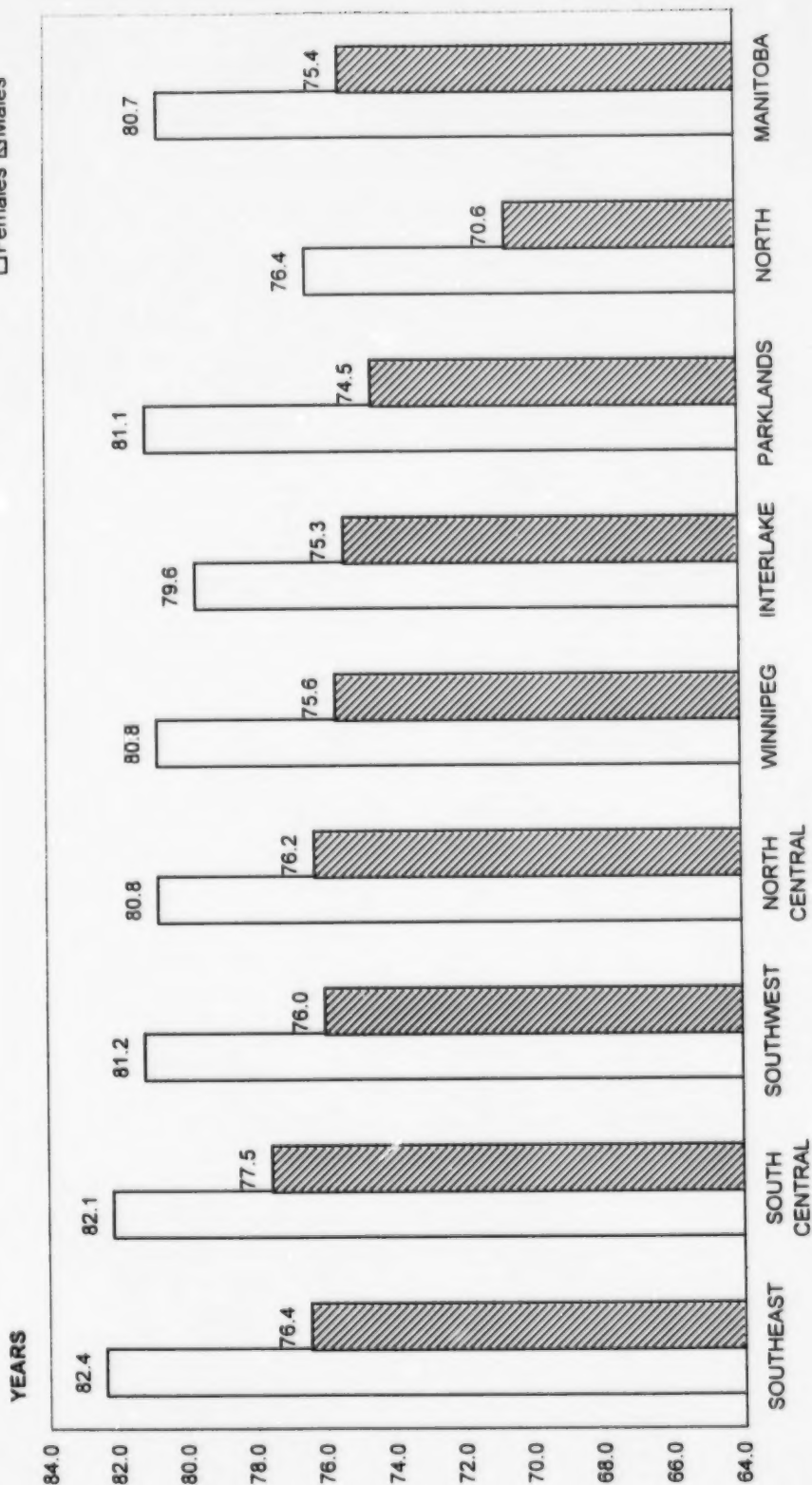
Manitoba is divided into eight Official Regions for Data Collection, also referred to as economic regions. The following table depicts the relationship between data collection region, economic region and census division.

OFFICIAL REGION FOR DATA COLLECTION	ECONOMIC REGION	CENSUS DIVISION
Southeast	10	1, 2, 12
South Central	20	3, 4
Southwest	30	5, 6, 7, 15
North Central	40	8, 9, 10
Winnipeg	50	11
Interlake	60	13, 14, 18
Parklands	70	16, 17, 20
North	80	19, 21, 22, 23

Further information on these life tables can be obtained from David Greenwood of the Manitoba Bureau of Statistics at (204) 945-2989.

LIFE EXPECTANCY AT AGE 0 BY ECONOMIC REGION

□ Females ■ Males



DATA SOURCE: MANITOBA BUREAU OF STATISTICS

APRIL, 1999

II. LIFE TABLE OVERVIEW:

Life tables are, in essence, one form of combining mortality rates of a population at different ages into a single statistical model. They are principally used to measure the level of mortality of the population being investigated.

There are two types of life tables: current and generation. The first type is based on experience over one year, three years, an intercensal period, etc., in which mortality remains substantially the same. The second type is based on mortality rates experienced by a particular birth cohort (e.g., all persons born in the year 1900). The mortality experience of the persons in this cohort will be observed from their birth through each consecutive age in successive calendar years until all of them die.

Life tables are further classified into complete or abridged - according to the length of the age interval in which the data are presented. A complete life table presents data for every single year of age while the abridged table presents data by intervals of five or ten years.

Since the mortality data used to calculate the tables in this report are from 1995 to 1997, current life tables have been produced. Due to the low number of deaths by single year of age and sex within each region, abridged life tables have been produced with five year intervals.

The expectation of life, or the mean number of years of life in any age group is the expected number of years remaining to be lived for that age group. For example, Manitoba females in the fifteen to nineteen age group are expected to live an additional 66.4 years. The chart on the opposite page presents the 1996 life expectancies at age 0 by region and sex.

Detailed life table methodologies can be found in the Statistics Canada publication "**Life Table Methodology, Canada and Provinces**" by Dhruva Nagnur and "**The Methods and Materials of Demography, Volume 2**" by the United States Bureau of the Census.

TABLE 1: REGIONAL LIFE EXPECTANCIES - FEMALES

1996

AGE GROUP	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	NORTH CENTRAL	WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
0	82.4	82.1	81.2	80.8	80.8	79.6	81.1	76.4	80.7
1 - 4	81.8	81.8	80.6	80.3	80.2	79.4	80.2	75.9	80.2
5 - 9	77.8	77.9	76.6	76.5	76.3	75.5	76.3	72.4	76.3
10 - 14	72.9	72.9	71.7	71.6	71.4	70.5	71.4	67.5	71.4
15 - 19	68.0	68.0	66.7	66.7	66.5	65.6	66.5	62.6	66.4
20 - 24	63.0	63.1	61.8	61.7	61.5	60.7	61.6	57.8	61.5
25 - 29	58.1	58.2	56.8	56.8	56.6	55.8	56.8	53.1	56.6
30 - 34	53.2	53.4	51.9	51.9	51.8	50.9	51.9	48.4	51.8
35 - 39	48.3	48.4	47.0	47.0	46.9	46.0	47.1	43.6	46.9
40 - 44	43.6	43.6	42.3	42.2	42.1	41.2	42.4	38.8	42.1
45 - 49	38.7	38.9	37.6	37.5	37.4	36.4	37.6	34.0	37.4
50 - 54	34.0	34.3	33.0	33.2	32.7	31.7	33.0	29.5	32.8
55 - 59	29.4	29.4	28.5	28.7	28.2	27.2	28.5	25.1	28.3
60 - 64	25.2	24.8	24.1	24.6	24.0	23.0	24.3	21.0	24.0
65 - 69	20.9	20.7	20.1	20.6	20.0	18.9	20.3	17.2	20.0
70 - 74	16.8	16.5	16.4	16.4	16.2	15.3	16.6	13.9	16.2
75 - 79	13.0	12.7	12.7	13.0	12.6	11.8	13.1	10.7	12.6
80 - 84	9.6	9.1	9.5	10.1	9.6	8.4	9.7	8.1	9.5
85 - 89	7.0	6.6	6.7	7.2	7.0	5.9	6.7	5.9	6.8
90 +	4.5	4.7	5.0	5.3	4.9	4.4	4.4	4.7	4.8

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III. LIFE TABLE ANALYSIS

Tables 1 and 2 contain the computed life expectancies for Manitoba and its eight economic regions for females and males respectively. A brief analysis of these life expectancies follows:

i) Female Expectancies by Region and Age Group:

The Manitoba female life expectancy at age 0 is 80.7 years of age for 1996. The 1991 life expectancy at birth was also estimated at 80.7 years. This represents no change over the five year period.

Southeast females had a life expectancy at age 0 of 82.4 years, followed by South Central at 82.1, Southwest at 81.2 and Parklands at 81.1. Close to the provincial figure of 80.7 were Winnipeg and North Central at 80.8 years each. The Interlake, at 79.6 years was below the Manitoba rate while the North had the lowest female life expectancy at 76.4 years.

The North Central and Southwest regions had the highest female life expectancies in the 90 years or over category of 5.3 and 5.0 years. The Interlake and Parklands had the lowest expectancies in this age category of 4.4 each, while the Manitoba expectancy was 4.8 years.

ii) Male Expectancies by Region and Age Group:

The 1996 Manitoba male life expectancy at age 0 is 75.4 years of age. This figure, compared to the 1991 expectancy of 74.6, shows an increased expectancy of 0.8 years over the five year period.

Three regions have a male life expectancy at age 0 below the provincial figure of 75.4 years: Interlake at 75.3, Parklands at 74.5 and the North at 70.6 years of age.

South Central males fare the best with a life expectancy at age 0 of 77.5 years. Also above the provincial figure are the Southeast, North Central, Southwest and Winnipeg regions with life expectancies at age 0 of 76.4, 76.2, 76.0 and 75.6 respectively.

For Manitoban males reaching their 90th birthday, their life expectancy is an average of 4.0 years. The regional life expectancies for males in the 90 or more years of age ranges from 3.2 years in the Southeast and North regions to 4.6 years in the Southwest and North Central regions.

TABLE 2: REGIONAL LIFE EXPECTANCIES - MALES

1996

AGE GROUP	SOUTH			NORTH		WINNIPEG	INTERLAKE	PARKLANDS	NORTH	MANITOBA
	SOUTHEAST	SOUTH CENTRAL	SOUTHWEST	SOUTH CENTRAL	NORTH CENTRAL					
0	76.4	77.5	76.0		76.2	75.6	75.3	74.5	70.6	75.4
1 - 4	76.0	77.0	75.5		75.8	75.1	74.9	74.6	70.3	75.0
5 - 9	72.0	73.3	71.6		71.9	71.2	70.9	70.7	66.7	71.1
10 - 14	67.1	68.4	66.7		66.9	66.2	66.0	65.7	61.8	66.1
15 - 19	62.2	63.5	61.8		62.0	61.3	61.2	60.9	57.0	61.2
20 - 24	57.4	58.6	57.2		57.4	56.5	56.5	56.3	52.6	56.5
25 - 29	52.7	53.8	52.4		52.8	51.9	51.8	51.6	48.5	51.8
30 - 34	48.1	49.0	47.6		47.8	46.9	47.2	47.0	44.2	47.1
35 - 39	43.4	44.1	42.9		43.1	42.1	42.5	42.2	39.7	42.4
40 - 44	38.6	39.2	38.2		38.4	37.4	37.7	37.4	35.1	37.6
45 - 49	33.8	34.4	33.6		33.8	32.7	32.9	32.8	30.7	33.0
50 - 54	29.1	29.6	29.0		29.1	28.2	28.3	28.5	26.1	28.4
55 - 59	24.5	25.3	24.8		25.0	23.9	23.8	24.0	21.8	24.1
60 - 64	20.3	21.2	20.6		20.9	19.8	19.9	19.9	17.9	20.0
65 - 69	16.4	17.1	17.0		17.0	16.0	16.3	16.2	14.4	16.2
70 - 74	13.3	13.5	13.4		13.3	12.7	13.0	13.1	11.7	12.9
75 - 79	10.1	10.3	10.4		10.4	9.8	10.0	9.7	9.0	9.9
80 - 84	7.5	7.4	7.7		7.8	7.4	7.4	7.2	6.8	7.5
85 - 89	5.5	6.0	5.7		6.3	5.5	5.2	5.4	5.4	5.5
90 +	3.2	4.1	4.6		4.6	4.0	3.7	3.9	3.2	4.0

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APRIL, 1999

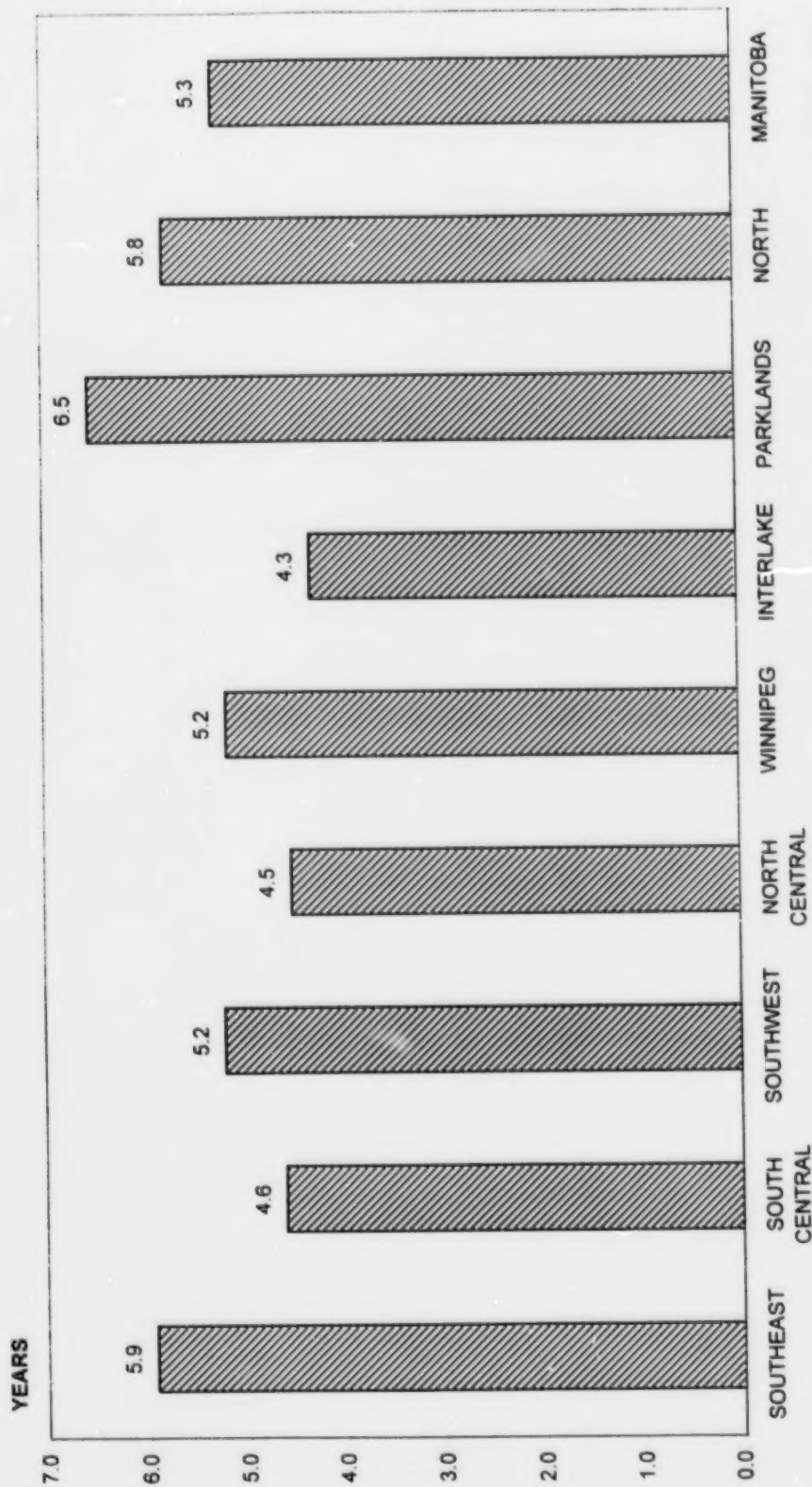
iii) Male and Female Life Expectancies Comparisons:

At the provincial level, the life expectancy of females at age 0 of 80.7 is 5.3 years greater than that of males at 75.4 years. This difference is less than the 1991 life table difference of 6.1 years (80.7 for females and 74.6 for males).

Ranking the life expectancies at age 0 shows that the three regions in the southern part of the province seem to be the longevity regions. Parklands is ranked fourth for female life expectancy but only seventh for males. Winnipeg ranks fifth for females and males respectively, while the North has the lowest life expectancy at age 0 for both females and males.

In summary, the expectation of life is the average remaining years of life to be lived for that age group on the basis of a given set of mortality rates. For example, the Manitoba males in the 1 to 4 age group are expected to live another 75.0 years.

DIFFERENCES IN FEMALE AND MALE LIFE EXPECTANCIES AT AGE 0 BY ECONOMIC REGION



APRIL, 1999

DATA SOURCE: MANITOBA BUREAU OF STATISTICS

RANKING OF LIFE EXPECTANCIES AT AGE 0
BY REGION AND SEX

FEMALES			MALES		
RANK	REGION	LIFE EXPECTANCY	RANK	REGION	LIFE EXPECTANCY
1	Southeast	82.4	1	South Central	77.5
2	South Central	82.1	2	Southeast	76.4
3	Southwest	81.2	3	North Central	76.2
4	Parklands	81.1	4	Southwest	76.0
5	Winnipeg	80.8	5	Winnipeg	75.6
6	North Central	80.8		Manitoba	75.4
	Manitoba	80.7	6	Interlake	75.3
7	Interlake	79.6	7	Parklands	74.5
8	North	76.4	8	North	70.6

All eight regions demonstrate higher female life expectancies than for males. The difference between female and male life expectancies at age 0 ranges from 6.5 years in Parklands to 4.3 years in the Interlake.

Detailed life tables by age and sex for each region are included as Appendix 2.

IV. CONCLUSION:

The Manitoba Bureau of Statistics life expectancy tables based on 1995 to 1997 mortality data by region of residence show that females at age 0 are expected to live approximately six years longer than males. This difference will eventually decrease to less than one year in the Ninety Years or More category.

The North region has the lowest life expectancies at age 0 for both females and males: by 3.2 years for females and 3.9 years for males. This is due to the relatively higher death rates in the lower age groups.

The highest life expectancies at age 0 do not necessarily lead to the highest expectancies in the Ninety Years or More category.

The difference between female and male life expectancies at age 0 range from 4.3 years for the Interlake to 6.5 years in Parklands.

For females, the life expectancies at age 0 range from a low of 76.4 years in the North to 82.4 years in the Southeast region - a difference of 6.0 years.

For males, the life expectancies at age 0 range from a low of 70.6 years in the North to 77.5 years in the South Central region - a difference of 6.9 years.

APPENDIX 1: DETAILED REGIONAL LIFE TABLES

Because of the smaller cell frequencies, abridged regional life tables have been constructed based on a standardized population having 100,000 births per year. An explanation of the various columns of the life tables follows:

Qx - The probability of dying in that particular age category. This probability is a function of deaths and population in that age category and is calculated from the formula:

$$Q_x = 1 - e^{-N \cdot M_x - a \cdot (N^3)^2 \cdot M_x}$$

where $a = 0.008$ for Manitoba

N = length of age category (usually 5 years)

Mx = mortality rate for age category x.

Qx in the open-ended Ninety Plus category is 1 since nobody survives beyond this age category.

- Lx - The number of persons who reach the beginning of the age interval. For example, there are 46,655 females in Manitoba that would reach the 85 to 89 category out of the 100,000 there were at age 0.
- Dx - The number of persons that die each year within the indicated age interval. This number is the product of the probability of dying in a particular age category (Qx) and the number of people entering that age category (Lx).
- LLx - The number of persons in the population who at any moment are living in that particular age cohort. Thus, according to the table on page 18, there are 493,960 females in the 20 to 24 age group.
- Tx - The number of persons in the population who at any moment are living within the indicated age interval and all higher age intervals. Thus, if births remained at 100,000 per year, according to the same table, there would be 6,084,468 females in the 20 to 24 or Over age cohort.
- Ex - The expectation of life or the average (median) number of years remaining to be lived by those surviving to that age cohort. Thus Manitoba females in the 20 to 24 age group are expected to live an additional 61.5 years.

This is the fourth set of life expectancy tables prepared by the Manitoba Bureau of Statistics.

The first set used mortality data for the years 1980 to 1982 with the 1981 Census population and was presented in Manitoba Regional Life Expectancies 1980-82 (MBS report 85-2).

The second set used mortality data for the years 1985 to 1987 with the 1986 Census population and was presented in Manitoba Regional Life Expectancies 1985-87 (MBS report 88-4).

The third set used mortality data for the years 1990 to 1992 with the 1991 Statistics Canada population estimates and was presented in Manitoba Regional Life Expectancies 1990-92 (MBS report 94-19).

Revisions were made in the methodology, resulting in a lack of comparability between the first 2 sets of life tables at a regional or age group basis. For the third and fourth sets of life expectancy tables, the base population has been increased by adjusting for estimates of net Census undercoverage, non-permanent residents and returning Canadians. This increase in population, has the effect of decreasing mortality rates and therefore increasing life expectancies on a sex and age group basis.

Therefore, no comparisons are made in this report with the first two sets of life expectancies.

For the third and fourth sets of tables, the life expectancies were calculated for the categories 0, 1-4, 5-9, 10-14, ..., 85-89 and 90+.

For the 1991 and 1996 tables, the 90+ life expectancy is not calculated from the median age of life after age 90 for those persons dying who are over 90 years of age, as it was for 1986. However, it is calculated using the same formulas as for the rest of the age groups.

The 2 categories at the younger ages have again been separated because of the high number of deaths in the first year of life (age 0) relative to the 1-4 age category.

APPENDIX 2

REGIONAL LIFE EXPECTANCIES BY AGE AND SEX: MANITOBA

1996

AGE	Qx	Lx	Dx	LLx	Tx	Ex
FEMALES						
0	0.00596	100,000	596	99,707	8,067,488	80.7
1 - 4	0.00174	99,404	173	397,294	7,967,782	80.2
5 - 9	0.00115	99,232	114	495,897	7,570,488	76.3
10 - 14	0.00101	99,118	100	495,359	7,074,591	71.4
15 - 19	0.00143	99,018	141	494,764	6,579,232	66.4
20 - 24	0.00186	98,877	184	493,960	6,084,468	61.5
25 - 29	0.00246	98,693	242	492,906	5,590,509	56.6
30 - 34	0.00311	98,450	306	491,547	5,097,603	51.8
35 - 39	0.00461	98,144	453	489,680	4,606,056	46.9
40 - 44	0.00644	97,692	629	487,010	4,116,376	42.1
45 - 49	0.01059	97,063	1,028	482,946	3,629,365	37.4
50 - 54	0.01597	96,035	1,534	476,638	3,146,420	32.8
55 - 59	0.02876	94,501	2,718	466,223	2,669,782	28.3
60 - 64	0.04318	91,784	3,963	449,730	2,203,560	24.0
65 - 69	0.06454	87,821	5,668	425,908	1,753,830	20.0
70 - 74	0.09648	82,153	7,926	392,194	1,327,922	16.2
75 - 79	0.15629	74,227	11,601	343,616	935,729	12.6
80 - 84	0.25502	62,626	15,971	274,405	592,113	9.5
85 - 89	0.40968	46,655	19,114	185,060	317,708	6.8
90 +	1.00000	27,542	27,542	132,649	132,649	4.8
MALES						
0	0.00733	100,000	733	99,639	7,540,275	75.4
1 - 4	0.00158	99,267	157	396,773	7,440,637	75.0
5 - 9	0.00097	99,110	97	495,327	7,043,864	71.1
10 - 14	0.00175	99,013	173	494,668	6,548,536	66.1
15 - 19	0.00448	98,840	443	493,179	6,053,869	61.2
20 - 24	0.00506	98,397	498	490,838	5,560,689	56.5
25 - 29	0.00578	97,899	566	483,193	5,069,851	51.8
30 - 34	0.00635	97,333	618	485,244	4,581,659	47.1
35 - 39	0.00716	96,715	693	481,981	4,096,415	42.4
40 - 44	0.00928	96,022	891	478,060	3,614,434	37.6
45 - 49	0.01441	95,132	1,371	472,496	3,136,375	33.0
50 - 54	0.02461	93,760	2,308	463,470	2,663,879	28.4
55 - 59	0.04264	91,453	3,900	448,222	2,200,409	24.1
60 - 64	0.06648	87,553	5,820	424,208	1,752,187	20.0
65 - 69	0.11020	81,733	9,007	387,503	1,327,979	16.2
70 - 74	0.16161	72,726	11,753	335,720	940,476	12.9
75 - 79	0.25660	60,973	15,646	266,914	604,756	9.9
80 - 84	0.38441	45,327	17,424	182,987	337,843	7.5
85 - 89	0.52106	27,903	14,539	101,574	154,856	5.5
90 +	1.00000	13,364	13,364	53,282	53,282	4.0

REGIONAL LIFE EXPECTANCIES BY AGE AND SEX: SOUTHEAST

1996

AGE	Qx	Lx	Dx	LLx	Tx	Ex
FEMALES						
0	0.00528	100,000	528	99,740	8,235,460	82.4
1 - 4	0.00053	99,472	52	397,791	8,135,720	81.8
5 - 9	0.00049	99,420	49	496,987	7,737,929	77.8
10 - 14	0.00141	99,371	140	496,533	7,240,942	72.9
15 - 19	0.00051	99,231	51	496,038	6,744,410	68.0
20 - 24	0.00220	99,180	219	495,397	6,248,372	63.0
25 - 29	0.00203	98,961	201	494,344	5,752,975	58.1
30 - 34	0.00200	98,760	198	493,345	5,258,632	53.2
35 - 39	0.00487	98,562	480	491,707	4,765,286	48.3
40 - 44	0.00364	98,082	357	489,590	4,273,580	43.6
45 - 49	0.00749	97,725	732	486,941	3,783,989	38.7
50 - 54	0.01378	96,993	1,337	481,885	3,297,048	34.0
55 - 59	0.02850	95,657	2,726	471,981	2,815,163	29.4
60 - 64	0.03105	92,931	2,886	457,979	2,343,182	25.2
65 - 69	0.04601	90,045	4,143	440,616	1,885,202	20.9
70 - 74	0.07776	85,903	6,680	413,920	1,444,587	16.8
75 - 79	0.13249	79,223	10,496	371,341	1,030,667	13.0
80 - 84	0.25521	68,727	17,540	301,103	659,325	9.6
85 - 89	0.35600	51,187	18,223	210,631	358,222	7.0
90 +	1.00000	32,965	32,965	147,591	147,591	4.5
MALES						
0	0.00694	100,000	694	99,658	7,643,866	76.4
1 - 4	0.00051	99,306	51	397,128	7,544,208	76.0
5 - 9	0.00185	99,255	184	495,852	7,147,080	72.0
10 - 14	0.00090	99,071	90	495,150	6,651,228	67.1
15 - 19	0.00384	98,982	380	494,032	6,156,078	62.2
20 - 24	0.00543	98,601	536	491,773	5,662,046	57.4
25 - 29	0.00729	98,066	715	488,682	5,170,273	52.7
30 - 34	0.00606	97,351	590	485,396	4,681,591	48.1
35 - 39	0.00551	96,761	533	482,578	4,196,196	43.4
40 - 44	0.00698	96,228	671	479,594	3,713,617	38.6
45 - 49	0.00754	95,557	720	476,124	3,234,023	33.8
50 - 54	0.01745	94,836	1,655	470,362	2,757,900	29.1
55 - 59	0.03405	93,181	3,173	458,560	2,287,538	24.5
60 - 64	0.05733	90,008	5,160	438,041	1,828,978	20.3
65 - 69	0.12105	84,847	10,270	400,052	1,390,937	16.4
70 - 74	0.14222	74,577	10,606	347,799	990,885	13.3
75 - 79	0.24879	63,970	15,915	281,317	643,086	10.1
80 - 84	0.37220	48,055	17,886	195,616	361,769	7.5
85 - 89	0.46277	30,169	13,961	115,076	166,154	5.5
90 +	1.00000	16,207	16,207	51,078	51,078	3.2

REGIONAL LIFE EXPECTANCIES BY AGE AND SEX: SOUTH CENTRAL

1996

AGE	Qx	Lx	Dx	LLx	Tx	Ex
FEMALES						
0	0.00810	100,000	810	99,601	8,212,067	82.1
1 - 4	0.00085	99,190	84	396,603	8,112,466	81.8
5 - 9	0.00082	99,106	82	495,343	7,715,863	77.9
10 - 14	0.00076	99,024	75	494,949	7,220,520	72.9
15 - 19	0.00241	98,949	239	494,197	6,725,571	68.0
20 - 24	0.00115	98,711	113	493,292	6,231,375	63.1
25 - 29	0.00331	98,597	326	492,235	5,738,083	58.2
30 - 34	0.00095	98,271	93	491,140	5,245,848	53.4
35 - 39	0.00362	98,178	355	490,071	4,754,707	48.4
40 - 44	0.00780	97,822	763	487,355	4,264,636	43.6
45 - 49	0.01064	97,059	1,033	482,917	3,777,282	38.9
50 - 54	0.00284	96,027	273	479,506	3,294,365	34.3
55 - 59	0.01415	95,754	1,355	475,645	2,814,859	29.4
60 - 64	0.03869	94,399	3,652	463,533	2,339,214	24.8
65 - 69	0.04353	90,746	3,950	444,573	1,875,682	20.7
70 - 74	0.08122	86,797	7,050	417,515	1,431,109	16.5
75 - 79	0.11878	79,747	9,473	376,439	1,013,594	12.7
80 - 84	0.27937	70,274	19,633	303,490	637,155	9.1
85 - 89	0.42966	50,641	21,759	198,004	333,665	6.6
90 +	1.00000	28,883	28,883	135,661	135,661	4.7
MALES						
0	0.00631	100,000	631	99,689	7,752,922	77.5
1 - 4	0.00321	99,369	319	396,877	7,653,233	77.0
5 - 9	0.00151	99,050	149	494,907	7,256,356	73.3
10 - 14	0.00146	98,901	144	494,172	6,761,449	68.4
15 - 19	0.00150	98,757	148	493,442	6,267,277	63.5
20 - 24	0.00379	98,608	374	492,181	5,773,834	58.6
25 - 29	0.00407	98,234	400	490,250	5,281,654	53.8
30 - 34	0.00374	97,834	366	488,328	4,791,403	49.0
35 - 39	0.00086	97,468	84	487,147	4,303,075	44.1
40 - 44	0.00543	97,384	529	485,702	3,815,928	39.2
45 - 49	0.00538	96,855	521	483,075	3,330,227	34.4
50 - 54	0.02635	96,334	2,539	475,803	2,847,152	29.6
55 - 59	0.03750	93,795	3,518	460,829	2,371,349	25.3
60 - 64	0.04737	90,278	4,277	441,463	1,910,520	21.2
65 - 69	0.09213	86,001	7,924	411,454	1,469,057	17.1
70 - 74	0.13722	78,077	10,714	365,072	1,057,602	13.5
75 - 79	0.21961	67,363	14,793	301,235	692,530	10.3
80 - 84	0.41426	52,570	21,778	207,840	391,295	7.4
85 - 89	0.47184	30,792	14,529	116,635	183,455	6.0
90 +	1.00000	16,263	16,263	66,820	66,820	4.1

REGIONAL LIFE EXPECTANCIES BY AGE AND SEX: SOUTHWEST

1996

AGE	Qx	Lx	Dx	LLx	Tx	Ex
FEMALES						
0	0.00484	100,000	484	99,762	8,116,896	81.2
1 - 4	0.00049	99,516	49	397,971	8,017,134	80.6
5 - 9	0.00091	99,467	90	497,126	7,619,163	76.6
10 - 14	0.00043	99,377	43	496,784	7,122,037	71.7
15 - 19	0.00134	99,334	133	496,361	6,625,253	66.7
20 - 24	0.00049	99,200	49	495,890	6,128,892	61.8
25 - 29	0.00164	99,152	163	495,385	5,633,002	56.8
30 - 34	0.00131	98,989	130	494,647	5,137,618	51.9
35 - 39	0.00644	98,859	636	492,831	4,642,970	47.0
40 - 44	0.00760	98,223	747	489,394	4,150,139	42.3
45 - 49	0.01178	97,476	1,148	484,733	3,660,745	37.6
50 - 54	0.01562	96,328	1,505	478,167	3,176,012	33.0
55 - 59	0.02294	94,823	2,175	469,090	2,697,844	28.5
60 - 64	0.04667	92,648	4,324	453,206	2,228,754	24.1
65 - 69	0.06793	88,324	6,000	427,641	1,775,548	20.1
70 - 74	0.08690	82,324	7,154	394,888	1,347,907	16.4
75 - 79	0.15207	75,170	11,431	348,756	953,019	12.7
80 - 84	0.24071	63,738	15,343	281,612	604,264	9.5
85 - 89	0.44045	48,396	21,316	187,729	322,652	6.7
90 +	1.00000	27,080	27,080	134,923	134,923	5.0
MALES						
0	0.00731	100,000	731	99,640	7,596,969	76.0
1 - 4	0.00097	99,269	96	396,896	7,497,329	75.5
5 - 9	0.00087	99,173	86	495,667	7,100,433	71.6
10 - 14	0.00249	99,087	246	494,868	6,604,766	66.7
15 - 19	0.00600	98,840	593	492,837	6,109,899	61.8
20 - 24	0.00366	98,247	359	490,409	5,617,062	57.2
25 - 29	0.00521	97,888	510	488,266	5,126,653	52.4
30 - 34	0.00665	97,378	648	485,400	4,638,386	47.6
35 - 39	0.00558	96,731	540	482,410	4,152,986	42.9
40 - 44	0.01094	96,191	1,053	478,527	3,670,577	38.2
45 - 49	0.01569	95,138	1,493	472,246	3,192,049	33.6
50 - 54	0.02726	93,645	2,553	462,324	2,719,803	29.0
55 - 59	0.03570	91,092	3,252	447,932	2,257,479	24.8
60 - 64	0.07235	87,841	6,356	424,383	1,809,546	20.6
65 - 69	0.09098	81,485	7,413	390,074	1,385,164	17.0
70 - 74	0.15187	74,072	11,249	343,700	995,089	13.4
75 - 79	0.23084	62,823	14,502	279,145	651,390	10.4
80 - 84	0.36556	48,321	17,664	197,578	372,244	7.7
85 - 89	0.53868	30,657	16,514	109,934	174,667	5.7
90 +	1.00000	14,143	14,143	64,733	64,733	4.6

REGIONAL LIFE EXPECTANCIES BY AGE AND SEX: NORTH CENTRAL

1996

AGE	Qx	Lx	Dx	LLx	Tx	Ex
FEMALES						
0	0.00615	100,000	615	99,697	8,075,912	80.8
1 - 4	0.00360	99,385	358	396,868	7,976,216	80.3
5 - 9	0.00086	99,027	85	494,938	7,579,348	76.5
10 - 14	0.00085	98,942	84	494,516	7,084,410	71.6
15 - 19	0.00097	98,858	95	494,070	6,589,893	66.7
20 - 24	0.00122	98,763	121	493,535	6,095,823	61.7
25 - 29	0.00123	98,642	121	492,930	5,602,288	56.8
30 - 34	0.00365	98,520	359	491,775	5,109,358	51.9
35 - 39	0.00441	98,161	433	489,809	4,617,583	47.0
40 - 44	0.00685	97,728	669	487,099	4,127,774	42.2
45 - 49	0.01815	97,059	1,762	481,228	3,640,675	37.5
50 - 54	0.01891	95,297	1,802	472,327	3,159,447	33.2
55 - 59	0.03090	93,495	2,889	460,793	2,687,119	28.7
60 - 64	0.04369	90,606	3,959	443,850	2,226,326	24.6
65 - 69	0.04654	86,647	4,033	423,881	1,782,476	20.6
70 - 74	0.10133	82,615	8,371	393,442	1,358,595	16.4
75 - 79	0.16760	74,244	12,443	341,632	965,154	13.0
80 - 84	0.22219	61,801	13,732	275,958	623,522	10.1
85 - 89	0.39092	48,069	18,791	193,188	347,564	7.2
90 +	1.00000	29,278	29,278	154,375	154,375	5.3
MALES						
0	0.00681	100,000	681	99,664	7,624,402	76.2
1 - 4	0.00158	99,319	157	396,981	7,524,738	75.8
5 - 9	0.00081	99,162	80	495,626	7,127,757	71.9
10 - 14	0.00079	99,082	78	495,230	6,632,131	66.9
15 - 19	0.00624	99,004	618	493,597	6,136,901	62.0
20 - 24	0.00753	98,386	740	490,226	5,643,304	57.4
25 - 29	0.00117	97,646	114	487,967	5,153,078	52.8
30 - 34	0.00523	97,532	510	486,485	4,665,111	47.8
35 - 39	0.00834	97,022	809	483,246	4,178,626	43.1
40 - 44	0.00960	96,213	923	478,937	3,695,380	38.4
45 - 49	0.00993	95,290	946	474,268	3,216,443	33.8
50 - 54	0.03475	94,344	3,278	464,128	2,742,175	29.1
55 - 59	0.03911	91,065	3,562	447,074	2,278,046	25.0
60 - 64	0.05467	87,503	4,784	426,400	1,830,973	20.9
65 - 69	0.08474	82,719	7,010	397,211	1,404,573	17.0
70 - 74	0.16155	75,710	12,231	349,503	1,007,361	13.3
75 - 79	0.23577	63,479	14,966	281,265	657,858	10.4
80 - 84	0.40357	48,512	19,578	193,257	376,594	7.8
85 - 89	0.45263	28,934	13,096	111,219	183,337	6.3
90 +	1.00000	15,838	15,838	72,118	72,118	4.6

REGIONAL LIFE EXPECTANCIES BY AGE AND SEX: WINNIPEG

1996

AGE	Qx	Lx	Dx	LLx	Tx	Ex
FEMALES						
0	0.00583	100,000	583	99,713	8,076,861	80.8
1 - 4	0.00095	99,417	94	397,492	7,977,148	80.2
5 - 9	0.00137	99,323	136	496,302	7,579,656	76.3
10 - 14	0.00086	99,187	85	495,740	7,083,353	71.4
15 - 19	0.00101	99,102	100	495,281	6,587,614	66.5
20 - 24	0.00143	99,002	141	494,687	6,092,333	61.5
25 - 29	0.00238	98,861	236	493,763	5,597,646	56.6
30 - 34	0.00339	98,625	334	492,359	5,103,882	51.8
35 - 39	0.00437	98,292	430	490,468	4,611,524	46.9
40 - 44	0.00686	97,862	671	487,763	4,121,056	42.1
45 - 49	0.00978	97,191	950	483,764	3,633,293	37.4
50 - 54	0.01632	96,240	1,571	477,578	3,149,529	32.7
55 - 59	0.02959	94,669	2,801	466,869	2,671,951	28.2
60 - 64	0.04343	91,868	3,990	450,090	2,205,082	24.0
65 - 69	0.06504	87,878	5,715	426,084	1,754,993	20.0
70 - 74	0.09779	82,163	8,035	391,984	1,328,909	16.2
75 - 79	0.16230	74,128	12,031	342,066	936,925	12.6
80 - 84	0.25406	62,097	15,776	272,242	594,858	9.6
85 - 89	0.39605	46,321	18,346	185,501	322,617	7.0
90 +	1.00000	27,976	27,976	137,115	137,115	4.9
MALES						
0	0.00655	100,000	655	99,677	7,560,340	75.6
1 - 4	0.00099	99,345	98	397,196	7,460,662	75.1
5 - 9	0.00062	99,247	62	496,091	7,063,467	71.2
10 - 14	0.00122	99,185	121	495,644	6,567,376	66.2
15 - 19	0.00286	99,063	283	494,664	6,071,731	61.3
20 - 24	0.00301	98,780	298	493,215	5,577,067	56.5
25 - 29	0.00467	98,482	460	491,352	5,083,853	51.6
30 - 34	0.00568	98,022	557	488,829	4,592,500	46.9
35 - 39	0.00793	97,466	773	485,547	4,103,671	42.1
40 - 44	0.00937	96,692	906	481,376	3,618,124	37.4
45 - 49	0.01555	95,787	1,490	475,497	3,136,749	32.7
50 - 54	0.02473	94,297	2,332	466,096	2,661,251	28.2
55 - 59	0.04406	91,965	4,052	450,426	2,195,155	23.9
60 - 64	0.06459	87,912	5,678	426,342	1,744,730	19.8
65 - 69	0.11206	82,235	9,215	389,513	1,318,388	16.0
70 - 74	0.16898	73,019	12,339	335,748	928,875	12.7
75 - 79	0.26890	60,680	16,317	263,707	593,126	9.8
80 - 84	0.38291	44,363	16,987	179,279	329,420	7.4
85 - 89	0.53073	27,376	14,530	98,843	150,140	5.5
90 +	1.00000	12,847	12,847	51,297	51,297	4.0

REGIONAL LIFE EXPECTANCIES BY AGE AND SEX: INTERLAKE

1996

AGE	Qx	Lx	Dx	LLx	Tx	Ex
FEMALES						
0	0.00915	100,000	915	99,549	7,962,576	79.6
1 - 4	0.00135	99,085	133	396,089	7,863,027	79.4
5 - 9	0.00060	98,951	59	494,621	7,466,938	75.5
10 - 14	0.00171	98,892	169	494,073	6,972,317	70.5
15 - 19	0.00126	98,723	124	493,330	6,478,245	65.6
20 - 24	0.00241	98,599	237	492,448	5,984,915	60.7
25 - 29	0.00087	98,361	85	491,611	5,492,468	55.8
30 - 34	0.00289	98,276	284	490,726	5,000,857	50.9
35 - 39	0.00301	97,992	294	489,281	4,510,131	46.0
40 - 44	0.00569	97,697	556	487,205	4,020,850	41.2
45 - 49	0.00969	97,141	941	483,536	3,533,645	36.4
50 - 54	0.01695	96,200	1,631	477,235	3,050,109	31.7
55 - 59	0.03122	94,569	2,952	466,014	2,572,874	27.2
60 - 64	0.04310	91,617	3,949	448,928	2,106,860	23.0
65 - 69	0.07653	87,668	6,709	422,682	1,657,932	18.9
70 - 74	0.10755	80,959	8,707	384,347	1,235,250	15.3
75 - 79	0.15070	72,252	10,889	335,461	850,903	11.8
80 - 84	0.30317	61,363	18,604	261,182	515,442	8.4
85 - 89	0.49438	42,760	21,139	159,108	254,260	5.9
90 +	1.00000	21,620	21,620	95,152	95,152	4.4
MALES						
0	0.00734	100,000	734	99,639	7,532,611	75.3
1 - 4	0.00063	99,266	62	396,949	7,432,972	74.9
5 - 9	0.00108	99,204	107	495,774	7,036,024	70.9
10 - 14	0.00307	99,097	305	494,784	6,540,250	66.0
15 - 19	0.00453	98,792	448	492,932	6,045,466	61.2
20 - 24	0.00612	98,345	602	490,339	5,552,534	56.5
25 - 29	0.00743	97,743	726	487,042	5,062,196	51.8
30 - 34	0.00734	97,017	712	483,443	4,575,154	47.2
35 - 39	0.00446	96,305	430	480,534	4,091,710	42.5
40 - 44	0.00576	95,875	552	478,102	3,611,177	37.7
45 - 49	0.01260	95,323	1,201	473,844	3,133,074	32.9
50 - 54	0.02099	94,122	1,976	466,046	2,659,230	28.3
55 - 59	0.04956	92,146	4,567	450,127	2,193,184	23.8
60 - 64	0.07682	87,579	6,728	422,192	1,743,058	19.9
65 - 69	0.10548	80,851	8,528	384,235	1,320,866	16.3
70 - 74	0.16399	72,322	11,860	333,433	936,631	13.0
75 - 79	0.24947	60,462	15,084	265,785	603,198	10.0
80 - 84	0.35862	45,379	16,274	186,407	337,413	7.4
85 - 89	0.55450	29,105	16,139	102,929	151,007	5.2
90 +	1.00000	12,966	12,966	48,077	48,077	3.7

REGIONAL LIFE EXPECTANCIES BY AGE AND SEX: PARKLANDS

1996

AGE	Qx	Lx	Dx	LLx	Tx	Ex
FEMALES						
0	0.00240	100,000	240	99,882	8,105,402	81.1
1 - 4	0.00122	99,760	122	398,814	8,005,520	80.2
5 - 9	0.00110	99,639	109	497,943	7,606,706	76.3
10 - 14	0.00105	99,530	104	497,408	7,108,763	71.4
15 - 19	0.00203	99,425	202	496,662	6,611,354	66.5
20 - 24	0.00292	99,223	289	495,450	6,114,693	61.6
25 - 29	0.00144	98,934	143	494,340	5,619,243	56.8
30 - 34	0.00482	98,791	477	492,857	5,124,903	51.9
35 - 39	0.00639	98,314	628	490,125	4,632,047	47.1
40 - 44	0.00420	97,686	411	487,486	4,141,921	42.4
45 - 49	0.01287	97,276	1,252	483,492	3,654,435	37.6
50 - 54	0.01639	96,024	1,574	476,488	3,170,943	33.0
55 - 59	0.02823	94,450	2,667	466,084	2,694,456	28.5
60 - 64	0.04317	91,783	3,962	449,729	2,228,371	24.3
65 - 69	0.06906	87,821	6,064	424,972	1,778,642	20.3
70 - 74	0.09977	81,757	8,157	389,658	1,353,670	16.6
75 - 79	0.13443	73,600	9,894	344,636	964,011	13.1
80 - 84	0.21865	63,706	13,929	285,033	619,375	9.7
85 - 89	0.38963	49,776	19,394	200,227	334,342	6.7
90 +	1.00000	30,382	30,382	134,115	134,115	4.4
MALES						
0	0.01422	100,000	1,422	99,299	7,452,247	74.5
1 - 4	0.00110	98,578	108	394,109	7,352,949	74.6
5 - 9	0.00102	98,470	101	492,117	6,958,840	70.7
10 - 14	0.00188	98,369	185	491,420	6,466,723	65.7
15 - 19	0.00744	98,184	730	489,239	5,975,303	60.9
20 - 24	0.00613	97,454	597	485,895	5,486,065	56.3
25 - 29	0.00821	96,857	795	482,451	5,000,170	51.6
30 - 34	0.00455	96,061	437	479,300	4,517,719	47.0
35 - 39	0.00518	95,624	496	476,980	4,038,419	42.2
40 - 44	0.00901	95,129	857	473,668	3,561,439	37.4
45 - 49	0.02357	94,271	2,222	466,225	3,087,771	32.8
50 - 54	0.02076	92,050	1,911	455,838	2,621,545	28.5
55 - 59	0.03746	90,139	3,377	442,874	2,165,708	24.0
60 - 64	0.07172	86,762	6,223	419,303	1,722,833	19.9
65 - 69	0.12299	80,540	9,906	379,364	1,303,530	16.2
70 - 74	0.13679	70,634	9,662	330,344	924,166	13.1
75 - 79	0.25356	60,972	15,460	267,384	593,823	9.7
80 - 84	0.40697	45,512	18,522	180,870	326,439	7.2
85 - 89	0.53599	26,990	14,466	97,010	145,568	5.4
90 +	1.00000	12,524	12,524	48,558	48,558	3.9

REGIONAL LIFE EXPECTANCIES BY AGE AND SEX: NORTH

1996

AGE	Qx	Lx	Dx	LLx	Tx	Ex
FEMALES						
0	0.00632	100,000	632	99,689	7,639,490	76.4
1 - 4	0.00665	99,368	661	396,232	7,539,802	75.9
5 - 9	0.00143	98,707	141	493,209	7,143,569	72.4
10 - 14	0.00165	98,566	162	492,455	6,650,360	67.5
15 - 19	0.00409	98,403	402	491,091	6,157,905	62.6
20 - 24	0.00584	98,001	572	488,689	5,666,815	57.8
25 - 29	0.00526	97,429	512	485,965	5,178,126	53.1
30 - 34	0.00433	96,917	419	483,618	4,692,161	48.4
35 - 39	0.00548	96,497	528	481,270	4,208,543	43.6
40 - 44	0.00528	95,969	507	478,678	3,727,273	38.8
45 - 49	0.01578	95,462	1,506	473,837	3,248,595	34.0
50 - 54	0.02177	93,956	2,045	465,057	2,774,759	29.5
55 - 59	0.03884	91,911	3,570	451,283	2,309,702	25.1
60 - 64	0.05722	88,341	5,054	429,953	1,858,419	21.0
65 - 69	0.10560	83,286	8,795	395,787	1,428,466	17.2
70 - 74	0.14350	74,491	10,689	347,168	1,032,679	13.9
75 - 79	0.22535	63,802	14,378	284,385	685,511	10.7
80 - 84	0.33568	49,424	16,591	206,090	401,127	8.1
85 - 89	0.51159	32,833	16,797	120,469	195,036	5.9
90 +	1.00000	16,036	16,036	74,567	74,567	4.7
MALES						
0	0.00974	100,000	974	99,520	7,061,942	70.6
1 - 4	0.00504	99,026	499	395,170	6,962,422	70.3
5 - 9	0.00169	98,527	167	492,252	6,567,252	66.7
10 - 14	0.00386	98,360	380	490,928	6,074,999	61.8
15 - 19	0.01141	97,981	1,118	487,325	5,584,072	57.0
20 - 24	0.01803	96,862	1,746	480,282	5,096,746	52.6
25 - 29	0.01333	95,116	1,268	472,658	4,616,464	48.5
30 - 34	0.01310	93,848	1,230	466,407	4,143,806	44.2
35 - 39	0.01123	92,619	1,040	460,696	3,677,400	39.7
40 - 44	0.01610	91,579	1,474	454,492	3,216,704	35.1
45 - 49	0.01560	90,104	1,406	447,279	2,762,212	30.7
50 - 54	0.02882	88,698	2,556	437,581	2,314,933	26.1
55 - 59	0.05393	86,142	4,646	419,916	1,877,352	21.8
60 - 64	0.09101	81,496	7,417	390,122	1,457,436	17.9
65 - 69	0.16316	74,080	12,087	341,684	1,067,313	14.4
70 - 74	0.20335	61,993	12,606	279,754	725,629	11.7
75 - 79	0.29997	49,387	14,814	210,622	445,875	9.0
80 - 84	0.44904	34,572	15,524	133,251	235,254	6.8
85 - 89	0.48864	19,048	9,308	71,203	102,003	5.4
90 +	1.00000	9,740	9,740	30,800	30,800	3.2